SBR No. 50/19-20
DATED 21-9-19

Original/Duplicate/Triplicate

# CONTRACT CERTIFICATE

(For Other Works)

EE/ELE/Y/BR No. 50/19-20

No. 1st & Final Bill

Dt. 21-9-19

Da.....2019

Division: **Electricals (Yelahanka)** Sub-Division: **Electricals**

Bill Received No. Dated Divisional Cash Book Voucher No..... Dated.....

Sub Divisional **Job Code :-007-19-000105** -

Schedule Docket No. Head of Account : P – **P0298** D.R.No.

**Name of Work :-** Maintenance & Repairs to Existing Park Lightings,etc to the existing Installation in Park at Byatrayanapura Constituency in Ward no 07.

**.Name of Contractor and Full AddressM/s Swamy Electricals,**

Reference to Agreement No:EE(Ele)YZ/WO/000010 / 2019-20 Date:- 08/07/2019

Certified that the measurements were taken by me on 28/8/19 and recorded of Pages 256356 to 360 of measurement Book No. 25679/18-19 and that the work is satisfactorily executed.

Contractor

Officer-in-charge of work

Certified that the measurement were taken by me on 28/8/19 and found correct. The work is satisfactorily executed.

Certified that the quantities of materials shown in column 3 of Account have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of and imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

Sub-Division Officer
Assistant Executive Engineer (Ele)
BBMP, Bangalore

II Memorandum of Payment

| | | Amount |
|---|---|---|
| 1) | Total value of work done or supplies made as per account within | Bill= 408,331=00 |
| 2) | Deduct amount to be held in reserve being .....percent Rs..... | IT 1% 4083=00 |
| 3) | " Balance | LWC 1% 4083=00 |
| 4) | Deduct Payment: | CBFD 1% 408=00 |
| | a) Amount of previous payment as in the Office Cash Book Voucher No.....Dated.....S.D. No..... adjusted towards cash advance recovery of | SGST 1% 3646=00 |
| | b) Payments Now made { cost store or other material supplied. recovery of amount creditable to this/other work Amount paid on this bill Cheque / Cash. | Cost 1% 3646=00 |
| | | deductions= 15866=00 |
| 5) | Balance being unpaid value of work done held in reserve. | Cheque= 392465=00 |
| 6) | Deduct cash advance made on the Office cash Book Voucher No..... dated.....less adjustments. | |
| 7) | Net amount due to or from Contractor unadjustments items. | |
| 8) | Advance to Contractor for materials brought to site (as detailed) within. | |
| 9) | Value of Government materials supplied. | |
| | Total amount adjusted - | |

Contractor's Signature

Received Rs..... (in words).....

.....

by cash and by adjustment of Payment as per memorandum

(in final settlement of all demands)

For SWAMY ELECTRICALS

Proprietor

(For use in the Office)

Witness

1.

2.

For SWAMY ELECTRICALS

Proprietor

Dated Signature of Contractor

Paid by me by Cheque No.....Dated.....

Cash Rs.....

Dated.....Initials of Officer making payme

Stamp P.0298 M&R to Electrical.

ರೂ. 408331=00 ರಷ್ಟು ಮೊತ್ತ ಸ್ವೀಕರಿಸಿದೆ

ರೂ. 392465=00 ಚೆಕ್ ಮೂಲಕ ಪಾವತಿಯಾಗಿದೆ

ರೂ. 15866=00 ಹೊಂದಾಣಿಕೆ ಮಾಡಿದೆ

ಸಹಿ ಅಧಿಕಾರಿಯವರು

ಕಾ.ಮಾ.ಅ.(ವಿ) ಯಲಹಂಕ ವಲಯ

| Sl. No | | Unit |
|---|---|---|
| | **Name Of Work:-** Maintenance & Repairs to Existing Park Lightings,etc to the existing Installation in Park at Byatrayanapura Constituency in Ward no 07. | |
| 1 | Digging of Pits 1.8 mtr depth for errection of 9 to 10mtr Long Steel/RCC/PSC supports as per approved Drawing.Ordinary Soil | Nos |
| 2 | Erection of steel supports 9.0 to 10.00 mtr long suchas 22.68 kg (50 lbs) Rail, 27.22 kg (60 Lbs) Rail IBeam of sizes 200x100mm, 175x90 mm, 125x100mm. Fabricates poles tubular poles in pits of 1.8 mtrDepth, Aligning, Refilling with soil and ramming asapproved drawing | Nos |
| 3 | Pole concreting with CC 1:2:4 (without coping) f) 8mtrs support (400x400x1500mm) | Nos |
| 4 | Transportation using 7.5/10 Tons Lorry Rs. 23 per Kms subjected to a minimum of Rs. 1200/-per day (shifting of Panel boards & Poles) | Nos |
| 5 | Painting of existing street light pole after scrapping the old paint and painted with suitable colour enamel/Silver paint including coping/footing of the pole .8Mtr and above street light pole. | Nos |
| 6 | Wiring for lighting/power circuit using one of PVC insulated 1100v grade, multis and **Copper** conductor single core cable in open or consealed system of wiring.I Group A Materials.g)16 sqmm | Mtrs |
| 7 | 1.5 sqmm | Mtrs |
| 8 | Supplying, fixing, wiring, earth electrode for grounding conduits, I.C. cutouts and other equipment's on the meter board using 40mm dia 2.90mm thick GI pipe 2.5 mtr long buried in a pit ... The pit should be filled with equal proportion of salt and charcoal 150mm all-round the pipe to complete depth. The connection from the pipe to the conduit etc., is to be established through GI wire of size as per ISI specification 7.3.3. of IS 732 using 12mm dia bolts, nuts, washers and check nuts etc., the pipe shall have 16 through holes of 122 mm dia | Nos |
| 9 | Supplying and fixing of Procelain fuse channel with cut out on exisiting wooden/panel using necessary nuts, bolts and washers etc., complete.d) 100 Amps | Nos |
| 10 | Supplying and fixing of class A (medium duty) GI pipe of wall thick ness not less than 3.25mm on pole/wall/drain crossing with necessary clamping arrangements for UG cable of 1.1 KV class. A)40MM. | Mtrs |
| 11 | Fabricating supplying and mounting MS box made out... SWG suitable Ifor floor/wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size cdlamps with mecessary cable entry pipe with gland and box should be finished with 2 cdoats of red oxide primer paint and finally finished with approved colour enameled metal pain etc., complete. b)16 swg | Sqcms |
| 12 | Supplying and fixing angle iron frame work fabricated out of M.S. angle iron.. And M.S. flat... with bolts, washers etc., and painted with 2 coats of red oxide and then two coats of approved paint. a)40X40X6mm | Nos |
| 13 | Supplying and fixing Moulded Case Circuit Breaker (MCCB) over the existing wood/panel board using necessary screws, bolts, nuts and wiring complete. Protection of Overload and Short circuit with thermal Magnetic/Micro processor release and Earth Fault as per IS-13947. ( Icu = Ics) THREE POLE 100Amps25kA. | Nos |
| 14 | Supply and fixing of 4-pole power contactor with NO/NC contacts on existing wood / panel board using necessary bolts, nuts, washers and wiring etc., complete. d) 100-125 Amps | Each |
| 15 | Supplying and fixing electro mechanical timer (without contactor) using necessary bolts, nuts and waqshers etc.. Group A, PWD Elec SR 2006-07. | Nos |
| 16 | Supplying and running of GI/Copper strips for grounding connections, using necessary fixing materials as required.I GI Strip. B)25X3mm | Nos |
| 17 | Supplying and fixing L.T. cast Iron pot heads suitable for 1.1 KV class UG cable filled with necessary bitumen/insulating compound complete with terminals, clamps, bolts, nuts and washers etc.16 Sq mm | Mtrs |
| 18 | Supplying of LT UG cable having aluminium conductor PVC insulated, sheathed, galvanished, steel wire/steel tap armoured cable with PVC outer sheating 1.1 KV class.I. Class 'A' PVC Cable. 4 core 16 sqmm | Mtrs |
| 19 | Labour charges for laying of 1.1 KV class UG cable when supplied agency in existing trench GI pipe / stoneware pipe / on wall /on pole as required. I. In existing trench/duct. 6 sqmm to 16 sqmm | Mtrs |

| Previous Measurement | | Present Measurement | | | Total Upto Date | | Remarks |
|---|---|---|---|---|---|---|---|
| Qty | Cost | Qty | Rate | Amount | Qty | Cost | |
| | | 6 | 378.00 | 2268.00 | 6 | 2268.00 | |
| | | 6 | 304.00 | 1824.00 | 6 | 1824.00 | |
| | | 6 | 982.00 | 5892.00 | 6 | 5892.00 | |
| | | 3 | 1200.00 | 3600.00 | 3 | 3600.00 | |
| | | 6 | 700.00 | 4200.00 | 6 | 4200.00 | |
| | | 40 | 95.00 | 3800.00 | 40 | 3800.00 | |
| | | 295 | 11.00 | 3245.00 | 295 | 3245.00 | |
| | | 5 | 1027.00 | 5135.00 | 5 | 5135.00 | |
| | | 10 | 360.00 | 3600.00 | 10 | 3600.00 | |
| | | 12 | 125.00 | 1500.00 | 12 | 1500.00 | |
| | | 125000 | 0.24 | 30000.00 | 125000 | 30000.00 | |
| | | 25 | 152.00 | 3800.00 | 25 | 3800.00 | |
| | | 5 | 4044.00 | 20220.00 | 5 | 20220.00 | |
| | | 5 | 8515.00 | 42575.00 | 5 | 42575.00 | |
| | | 5 | 3200.00 | 16000.00 | 5 | 16000.00 | |
| | | 10 | 27.00 | 270.00 | 10 | 270.00 | |
| | | 4 | 280.00 | 1120.00 | 4 | 1120.00 | |
| | | 595 | 95.00 | 56525.00 | 595 | 56525.00 | |
| | | 595 | 7.00 | 4165.00 | 595 | 4165.00 | |

| | | |
|---|---|---|
| 20 | Digging of trench of 0.6 m deep x 0.50 mtr wide refilling the trench to the required ground level and consolidating etc.,complete. (As perCivil SR KSRB I-2, P-7).a) In soil (ordinary) | Mtrs |
| 21 | Supplying of LED Floodlight with .....W System Power consumption pressure die cast aluminum housing with powder coating with IP 65 protection. 1, 200-275V voltage with electronic Driver, PF>0.9, should meet ANSI 2G Vibration test, Compliance to UL/CE with Class I. System rating shall be 50K hrs. @ Lumen maintenance of 70%, system efficacy > 80lm/w. Over load & Short circuit protection ensures reliable operation in spite of problem in output side. Compliance to IS 10322/IEC 60598, LM 79 & LM 80 Adherence with RoHS. UL approved MCPCB. Top access street light with single screw to ensure ease of maintenance at the sight site location with minimized minimal tools. LED Light fixture with .....W System Power consumption. LED Efficiency>130lm/w at 1W & Fixture Efficiency >80lm/w with nominal CRI >75. Luminaire manufacturer should have in-house facility accredited by NABL/CPRI & any Government certified agency & Design & Development facility certified by ISO 9001:2008. Housing with supplier word mark /name shall be Engraved / Embossing on the die cast housing/ Body part. Warranty of 5 Years against any manufacturing defect working under standard electrical conditions as mentioned above should be given by LED manufacturer.LED Floodlight **110W** | Nos |
| 22 | KSRB 4-1 .1: Providing and laying in position plain cement concrete of cum 5,004.00<br>mix 1 :2:4 with ope cement @ 240kgs, with 40mm and down size gradedgranite metal coarse aggregates @O.B7Bcum and fine aggregates @<br>0.459cum machine mixed, concrete laid in layers not exceeding 15 cms.thick, well compacted, in foundation, including cost of all materials,<br>labour, HOM of machinery, curing complete as per specificationsSpecification No. KBS 4.1, 4.2 | Cumt |
| | **Total Rs** | |

Certificate: 1. Certefied that the Above Work has been carreid out satisfactorily

Assistant Executive Engineer (Ele)
BBMP, Bangalore

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| | | 491 | 38.00 | 18658.00 | 491 | 18658.00 | |
| | | 10 | 17593.00 | 175930.00 | 10 | 175930.00 | |
| | | 1 | 4004.00 | 4004.00 | 1 | 4004.00 | |
| | | | | **408331.00** | | **408331.00** | |